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An Xcel Energy Community Collaboration



The Most
Livable City
in America

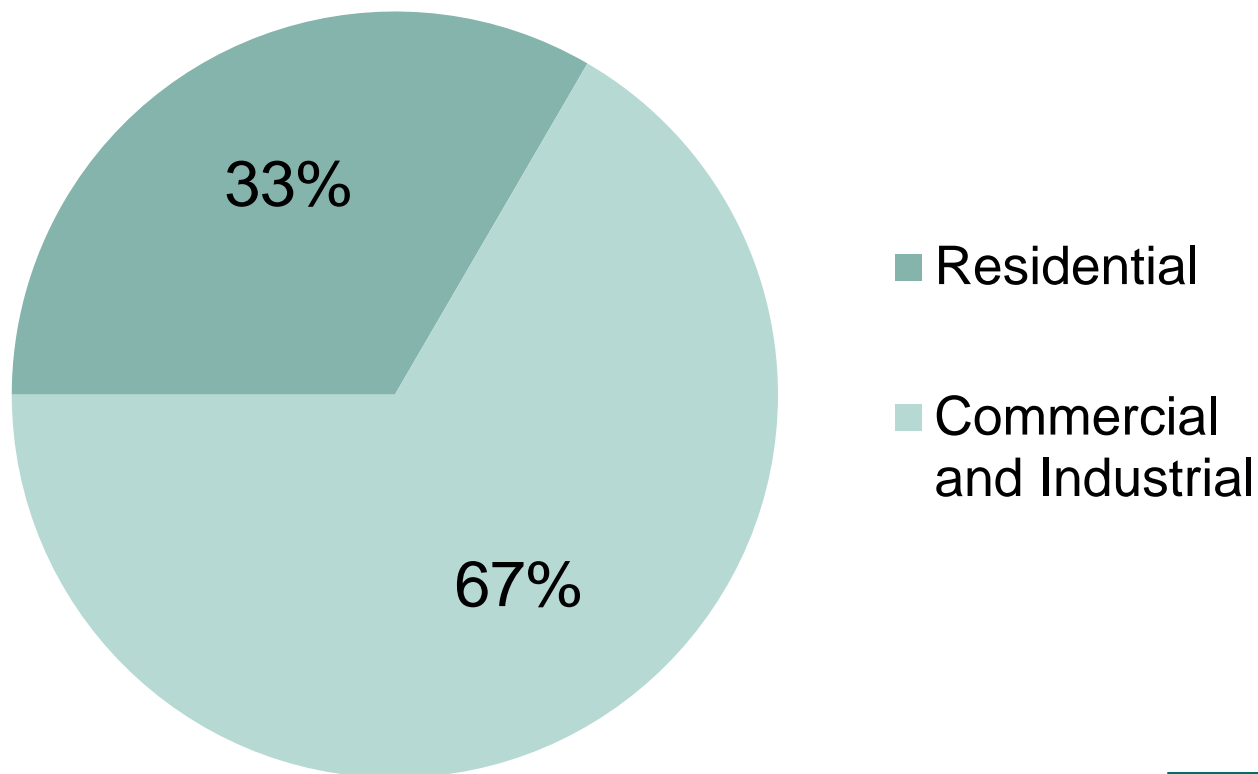
Greenhouse Gas Emissions from Saint Paul Building Energy Use

Saint Paul Climate Action Plan
February 27, 2017

2015 Greenhouse Gas Emissions

**Saint Paul's
Total:**

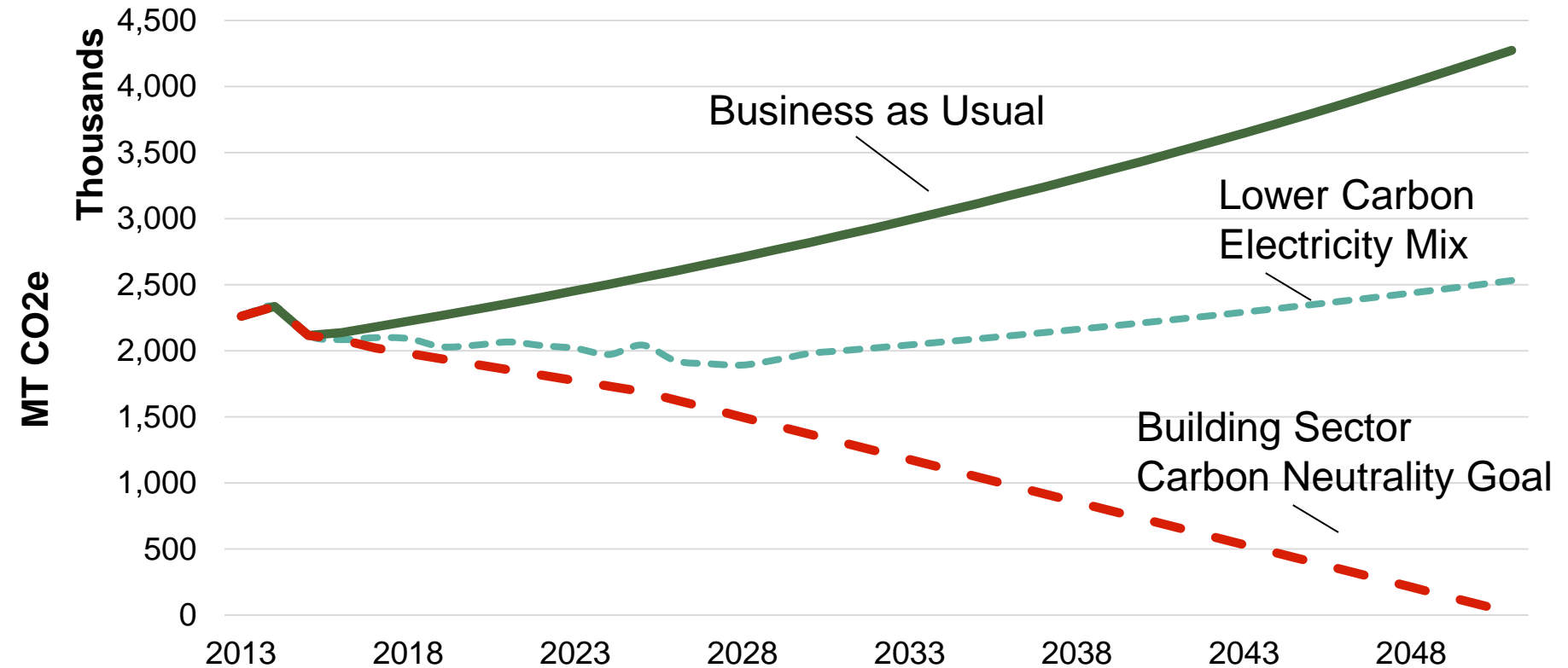
2.1 million
Metric tons CO₂e



Emissions are from Electricity and Natural Gas only
Source: Xcel Energy



Goal: Carbon Neutral by 2050

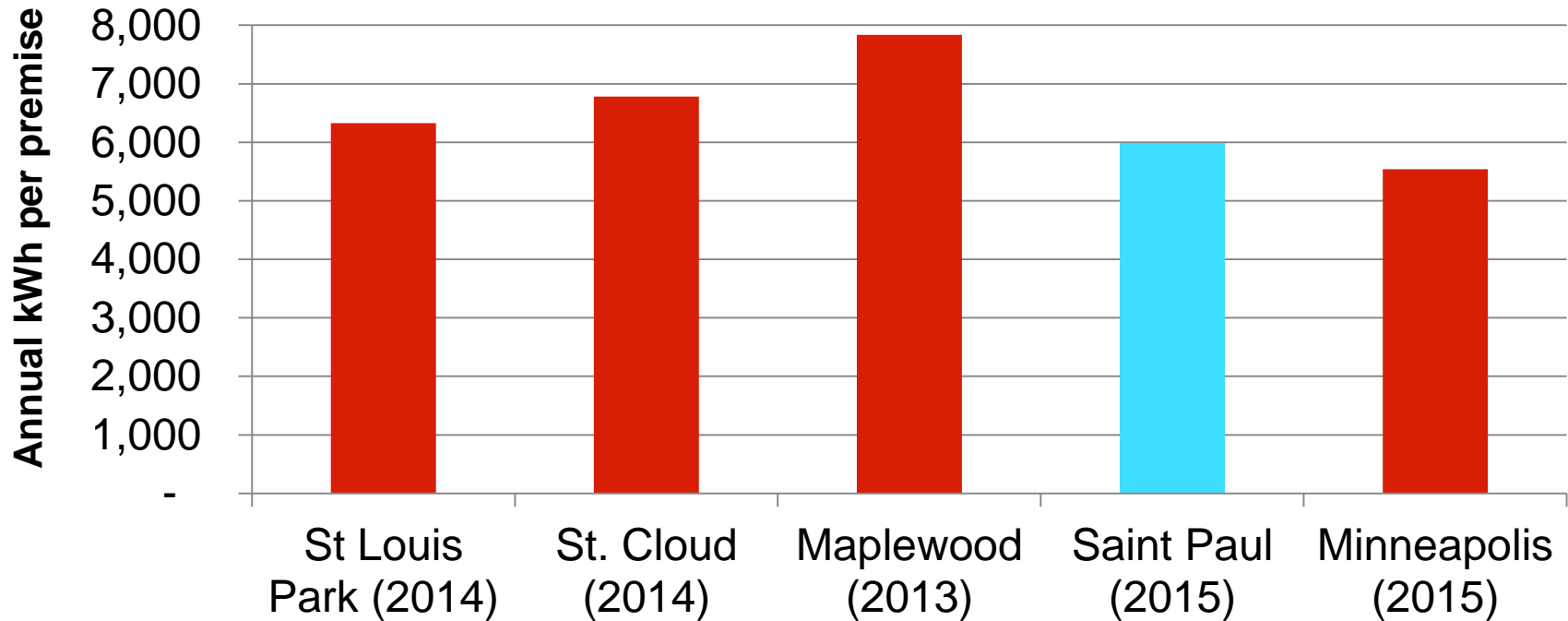


Saint Paul Carbon Emissions from Buildings

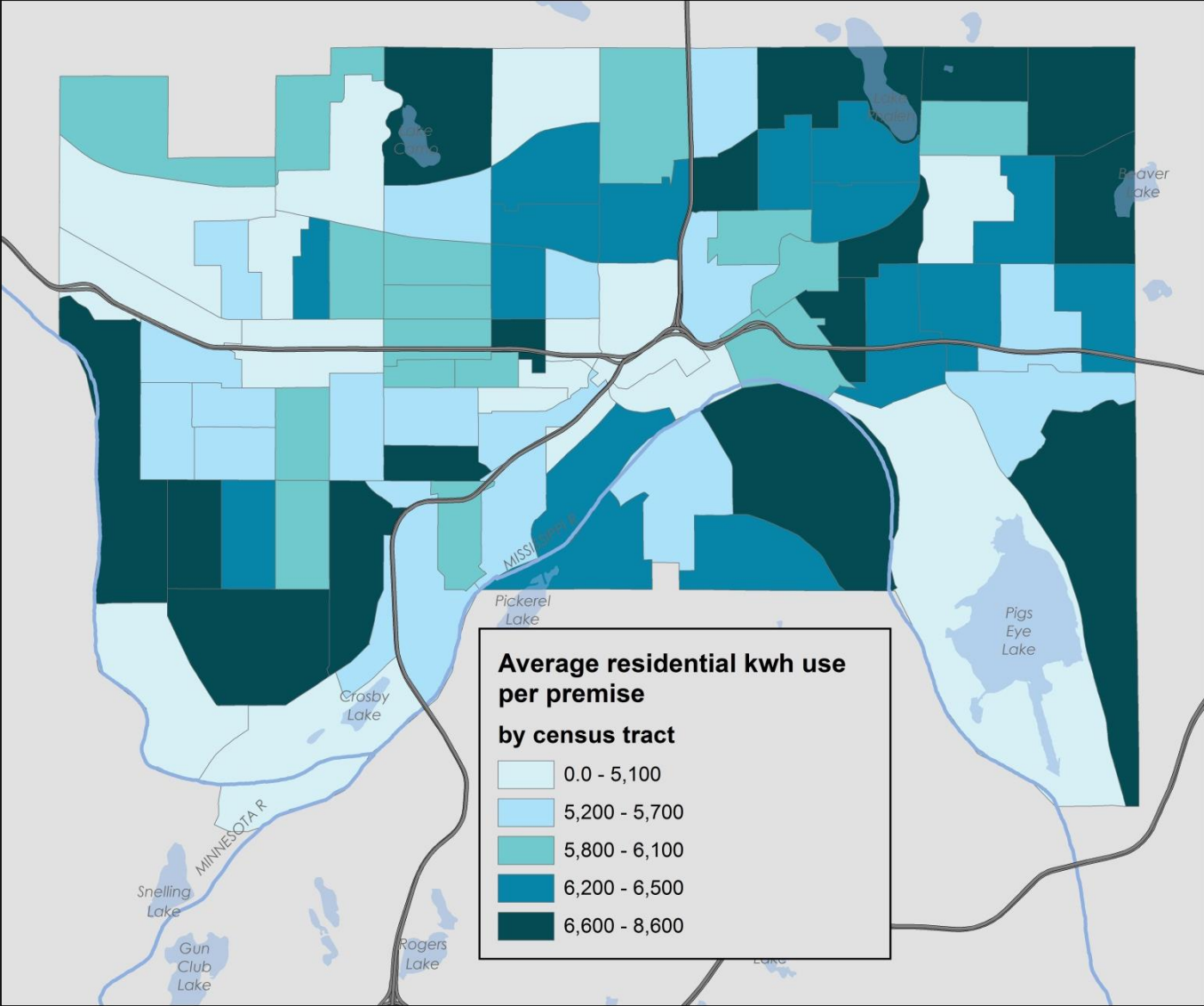


Comparison to Other Cities

Average Residential Electricity Use

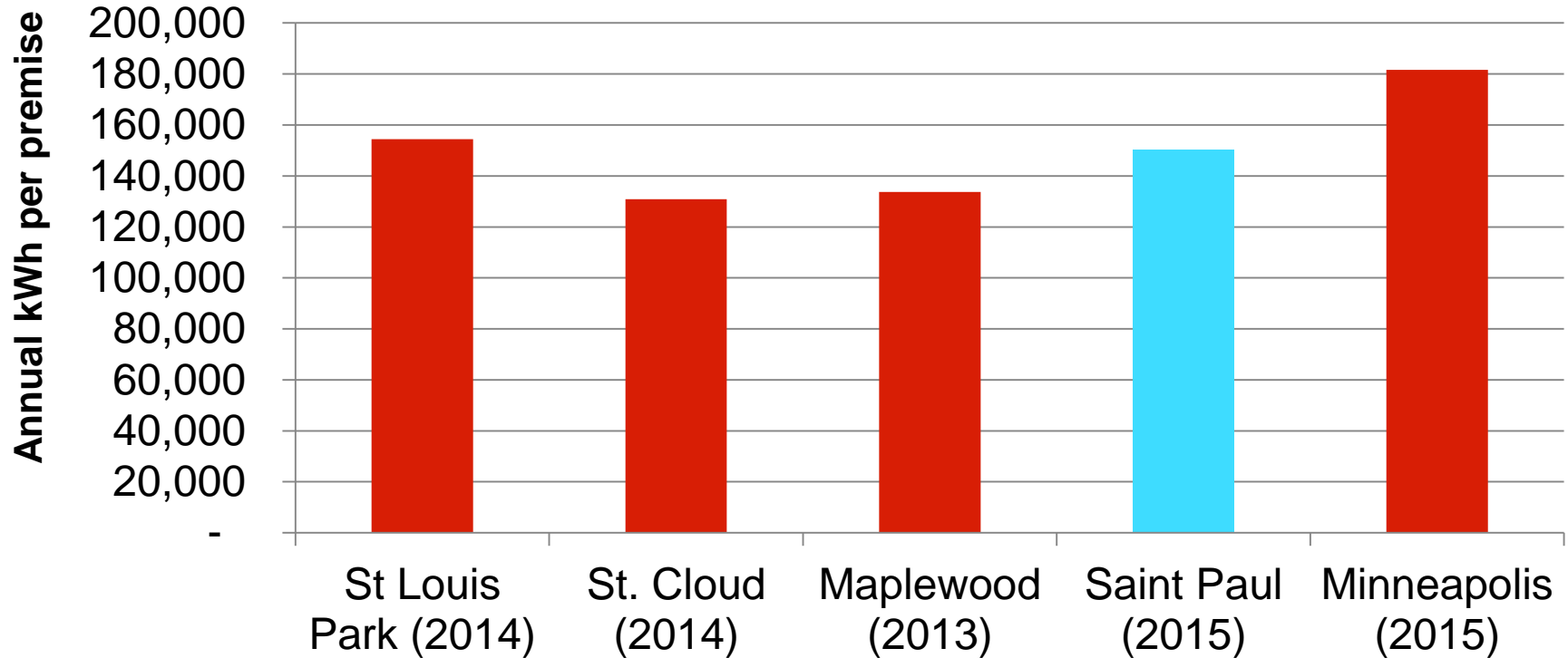


Saint Paul Average Residential kWh Use (2015)

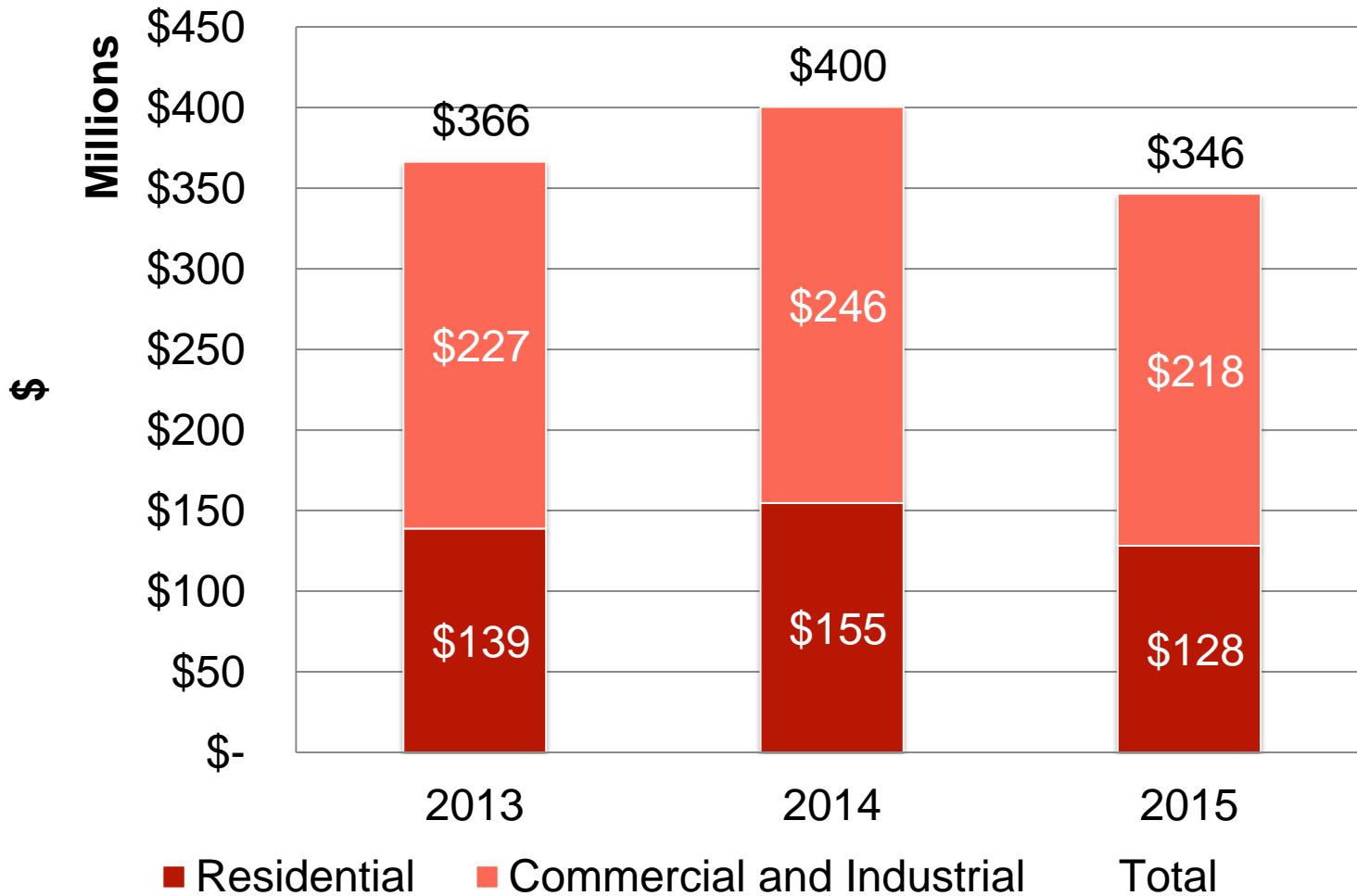


Comparison to Other Cities

Average Business Electricity Use



Saint Paul Energy Costs (2015)



Lowering the Energy Burden

Definition:

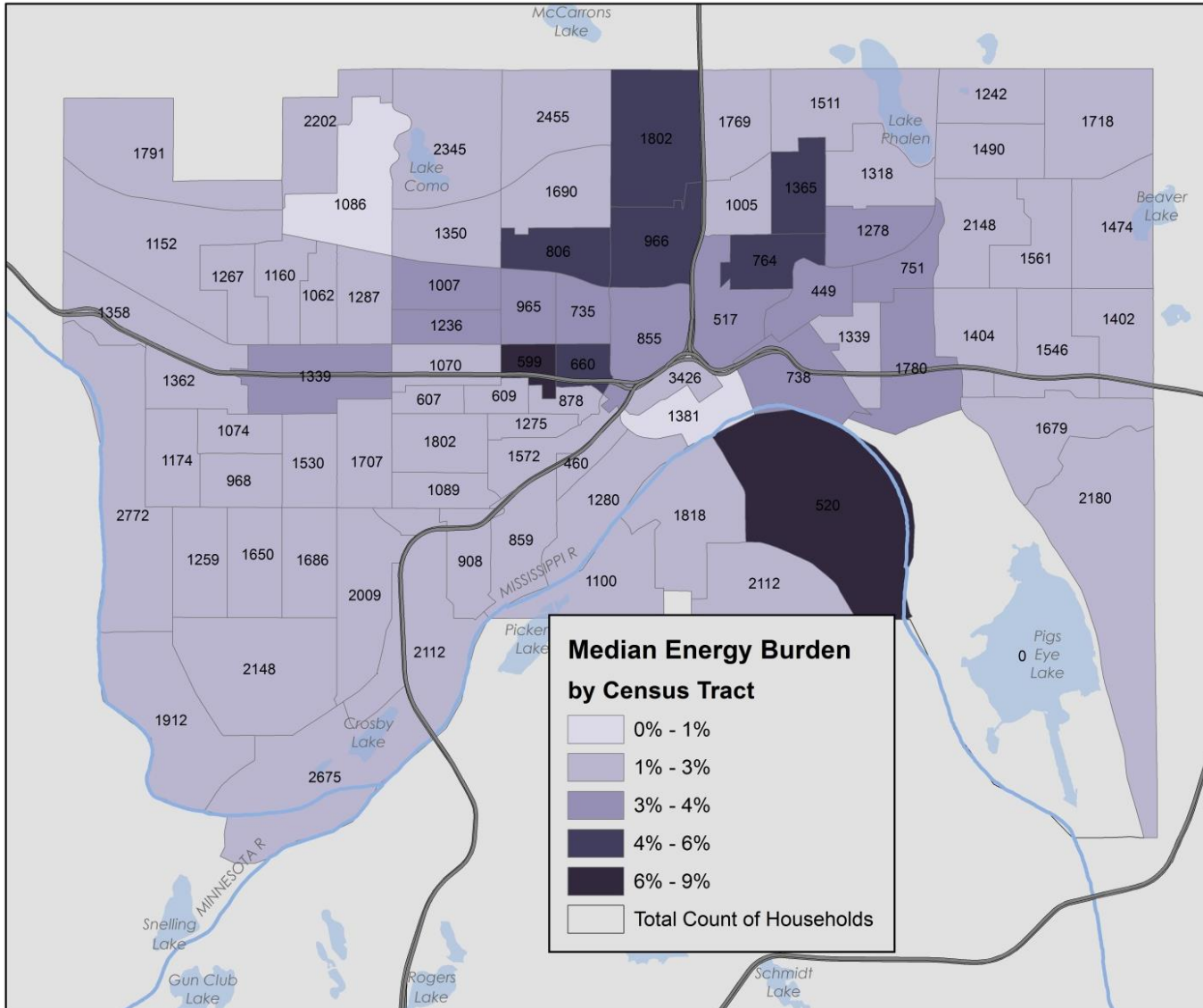
Energy burden is the proportion of household income spent on energy.

*The median energy burden
for a Twin Cities household
is **2.3%***

(ACEEE, 2016)



Residential Energy Burden (2015)



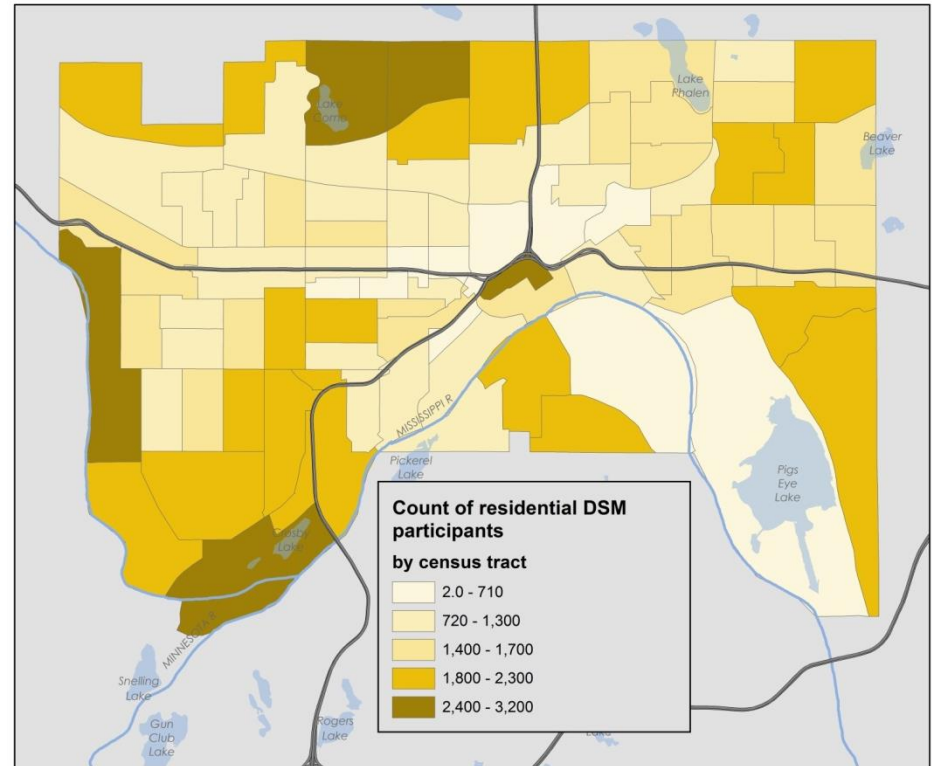
Residents Saving Energy!



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Saint Paul residents

- have taken about **17,000** efficiency program actions over 3 years.
- And save **0.5%** of annual residential energy use per year



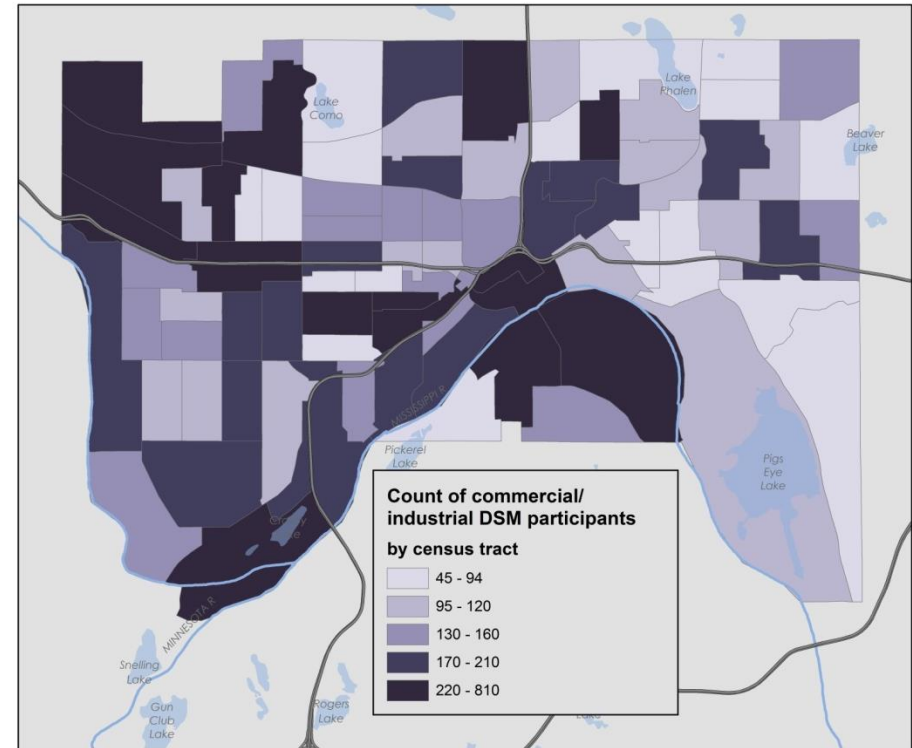
Program Activity: June 2013 – May 2016



Business Saving Energy!

Saint Paul businesses

- have taken about **2,900** efficiency program actions over 3 years.
- And save **1.3%** of annual business energy use per year



Program Activity: June 2013 – May 2016



Energy Conservation

Saint Paul businesses

- have taken about **2,900** efficiency program actions over 3 years.
- And save **1.3%** of annual business energy use per year

Saint Paul residents...

- have taken about **17,000** efficiency program actions over 3 years.
- And save **0.5%** of annual residential energy use per year





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